Department of Public Works and Transportation Montgomery County, Maryland

DIVISION OF SOLID WASTE SERVICES



Mixed paper collection carts awaiting assembly and delivery. Residential pilot programs have proven that use of these mixed paper carts cost effectively increases recycling. During October and November 2003, 21,118 new carts were assembled and delivered to residents.

MONTHLY REPORT JANUARY 2004

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OVERVIEW

Tonnage at a Glance

The following table shows key material flows during the current month, fiscal year to date (FY Total), and current calendar month in the two prior fiscal years. (County fiscal year 2004 began July 1, 2003.)

| FACILITY | Jan FY04 | FY04 Total | Jan FY03 | Jan FY02 |
|--|-------------|--------------|-------------|-------------|
| Materials Recovery Facility ⁽¹⁾ | 7,174 tons | 52,083 tons | 7,309 tons | 6,943 tons |
| Brunswick Landfill Facility ⁽²⁾ | 21,319 tons | 177,024 tons | 15,252 tons | 19,378 tons |
| Resource Recovery Facility ⁽³⁾ | 50,995 tons | 371,953 tons | 43,389 tons | 55,998 tons |
| Yard Trim Compost Facility | 1,593 tons | 57,196 tons | 6,518 tons | 716 tons |

⁽¹⁾MRF tons reported are outgoing.

Revenue Analysis and Systems Evaluation – During January, program staff:

- Researched 189 new properties billing characteristics and entered them into TXA 170 system;
- Processed vacancy refunds payable in January;
- Prepared monthly house counts for contractors;
- Updated Access[™] and Excel[™] spreadsheets for monthly contractor reports;
- Continued to research solid waste fee abnormalities in the property tax database;
- Updated street listing maps;
- Generated Hauler Credit Account invoices for January 2004 totaling \$1,304,626.10 (an increase of \$221,073.94 over January 2003);
- One staff member (hauling billing manager) permanently relocated to the Transfer Station;
- Reminder letters for July through December 2003 Hauler Tonnage Reports generated and mailed;
- Hauler Tonnage Report reminder letter for the period of July through December 2003 were generated and mailed;
- Reconciled the first 6 months of FY04 tons to monies posted in FAMIS, as well as to the total dollars charged in Paradigm;
- Began collecting and tabulating data for the MDE Recycling Act;
- Continued research on innovative means of gathering waste generator data;
- Prepared mid-year revenue review;
- Updated FY05-FY10 refuse and recycling collection contract cost projections with new contract rates and house count actuals through January and updated Rate Model likewise;

⁽²⁾This category only addresses waste sent to the landfill for disposal. It does not include rubble that is recycled.

⁽³⁾RRF tonnage refers to tons burned (processed). Waste shipped from the Transfer Station but not burned is in the pit and is not included in the tonnage presented here.

- Revised Rate Model and Fiscal Health Spreadsheets to reflect OMB input regarding personnel fringe and other revisions;
- Worked on Ten Year Plan; and
- Finalized decision memo regarding tip fee increase.

CITIZEN COMMITTEES

<u>Facilities Implementation Group</u> – FIG met on September 9th at the Gothic Barn in Dickerson. Eleven FIG members, three County staff, four contract staff and a consultant from Ecotone attended. Topics discussed included Preliminary Findings – Forest Evaluation and Recommendations by Ecotone.

The next FIG meeting is scheduled for March 9, 2004, at the Gothic Barn in Dickerson.

<u>Solid Waste Advisory Committee</u> – SWAC had its annual meeting with the County Executive on February 2, 2004. As requested, the Chair and Vice Chairperson presented SWAC's budget priorities, priority issues and creative ideas. SWAC also held its regular monthly meeting that was postponed until February 10th due to inclement weather. Eight SWAC members, six County staff and one guest were in attendance at the meeting. SWAC members received a presentation on the County's Satellite Drop-Off Sites, Developed Landfills and Out-of-County Hauling.

COLLECTIONS

<u>Refuse</u> – Refuse collections for January were very typical for the month. We had one holiday slide on New Year's Day; one working holiday on Martin Luther King, Jr. Day; and one slide week caused by icy conditions the week of January 26, 2004. Everything was back on schedule by Saturday, January 31, 2004.

Enforcement Actions – No citations were issued for violations of the County's Solid Waste Laws. However, six NOV's were issued for violations of the County's Solid Waste Laws:

| Three NOV's | Improperly stored and/or permitted solid wastes to accumulate |
|-------------|--|
| One NOV | Not having a proper recycling program on site |
| One NOV | Deposit solid wastes upon property of another without consent |
| One NOV | Permitted solid wastes to be stored outside storage containers |

<u>Contractor Performance</u> – During the month of January 2004, DSWS received 444 complaints; 197 less than January 2003, which numbered 641.

Recycling – Mixed paper tonnages for the residential program during the past 52 weeks are as follows:

| CURRENT PERIOD | POUNDS PER HOUSEHOLD | CORRESPONDING PERIOD PREVIOUS YEAR |
|-------------------|----------------------|------------------------------------|
| 1/20/03-2/14/03 | 8.83 | 9.01 |
| 2/17/03-3/14/03 | 8.94 | 9.02 |
| 3/17/03-4/11/03 | 10.01 | 9.73 |
| 4/14/03-5/09/03 | 9.93 | 9.81 |
| 5/12/03-6/06/03 | 10.09 | 9.58 |
| 6/09/03-7/05/03 | 9.77 | 9.21 |
| 7/07/03-8/01/03 | 9.05 | 8.74 |
| 8/04/03-8/29/03 | 9.37 | 9.24 |
| 9/01/03-9/26/03 | 10.43 | 10.15 |
| 9/29/03-10/24/03 | 10.50 | 10.45 |
| 10/27/03-11/21/03 | 11.43 | 11.04 |
| 11/24/03-12/19/03 | 11.97 | 11.74 |
| 12/22/03-1/16/04 | 10.67 | 9.75 |

<u>Customer Service</u> – DSWS received 7,303 incoming calls and made 87 follow-up calls for quality check; 1,433 blue bins were ordered through the Customer Service Staff and 85 bins were picked up by residents at the Transfer Station.

For the month of January 2004, DSWS received 69 customer service surveys.

| SURVEY QUESTION | | ary 2004 | ļ |
|--|-----|----------|-----|
| | YES | NO | N/A |
| Did we satisfactorily address your request or concern? | 94% | 5% | 1% |
| Are your trash and recyclables at the curb by 7:00 a.m.? | 78% | 16% | 6% |
| Do you use the yard trim recycling program? | 57% | 42% | 1% |
| Do you grasscycle or compost your yard trim? | 57% | 42% | 1% |
| Do you know about: | | | |
| The curbside scrap metal recycling program? | 31% | 68% | 1% |
| Textile recycling? | 20% | 77% | 3% |
| Computer recycling? | 25% | 71% | 4% |
| Household Hazardous Waste drop-offs? | 62% | 36% | 2% |
| Don't Dump – Donate program? | 19% | 78% | 3% |
| Use it again program? | 9% | 88% | 3% |
| Satellite drop-offs? | 29% | 65% | 6% |
| Have you used the Transfer Station? | 61% | 36% | 3% |

Additional comments:

I have used the Transfer Station for over 15 years and the service has only gotten better with time. Great job.

Wheels on bins are a better method for cardboard (like cereal boxes, etc.) recycling rather than using paper bags. Recyclables need sorting and we only have one bin. It seems that something other than paper bag sorting might be a better solution.

There are long lines at the commercial area of the Transfer Station, where we are sometimes required to go.

I understand the purpose of brown bagging for paper waste, but in Las Vegas, residents get three stackable crates. A red crate for papers, a white crate for plastic and blue crate for glass. It made for easy organization and I would just put the red one on bottom and stack the other two on top, therefore sorting was made simple. It may be something for MC to look into in the future.

I have not used the Transfer Station yet, but I will be soon. I hope to donate my old kitchen cabinets that I will be replacing later this month.

Be a little less strict on making people package everything, such as cardboard boxes.

Provide large rolling blue carts for glass and plastic, just like the paper.

<u>Web Site</u> - The following is information gathered from the Montgomery County Solid Waste web site through the month of January 2004:

| List Memberships | Nev | v | Total |
|--|------------|----------|----------------|
| List McHiberships | Subscri | | Subscribers |
| HHW Announcements | | 82 | 685 |
| Holiday Reminder List | | 154 | 3,269 |
| Newsletter Helper | | 22 | 165 |
| Usage Co | unters – . | Januar | y 2004 |
| Total of Visits | | | 5,387 |
| Total Page Views | | | 8,355 |
| Among the most | frequently | y visite | ed pages were: |
| Among the most frequently visited pages were: Transfer Station Recycling Trash Holiday HHW Recycling Center Blue bin materials Propane tank recycling Solid Waste Charge Volunteers | | | |
| Total Page | SORR | | 446 |
| Hits number of page vie | ews | | 764 |

| TRR | AC | |
|--|--------|-----|
| Total Page | | 136 |
| Hits number of page views 198 | | 198 |
| E-Mail -January 2004 | | |
| Top Issues : | | 573 |
| Service issues | | |
| • Trash | | |
| • SORRT | | |
| Computer/electronics rec | ycling | |
| Blue Bins | | 603 |

Comments received:

I think the program is very good and the website is excellent. I found all I needed, recently, regarding Christmas tree disposal, for example.

This was the first time that I used the County's web site. Very user friendly.

You once had an excellent website...in which it was easily ascertained whether trash pickup was affected by the weather. The notice on the site early Wednesday evening says nothing about Thursday's trash pickup...just Tuesday's and Wednesday's collection. You've regressed. Maybe your bureaucracy is happy with the site redesign, but it's not customer-friendly.

Thank you so much! I will forward this to our neighborhood lists.

WASTE MINIMIZATION

| Product Recycled | Approximate weight recycled in January 2004 |
|--|---|
| Computer | 52.7 tons |
| Fire Extinguishers | None |
| Propane Tanks | None |
| Textiles | 23.1 tons |
| Construction Materials (Don't Dump – Donate) | 0.7 tons |
| Bicycles | None |
| Rechargeable Batteries | None |

<u>Pepartment of Environmental Protection's Home Composting and Source Reduction Activities</u> – The GreenMan Column returned in January with a natural (alternative) lanscaping feature: "Blooms, Branches, and Berries for Winter Landscapes." The column is also accessible online at www.gazette.net under "Columns."

The GreenMan Show continues to air daily on Cable Channel 6, with online streaming video and access to past shows via online archives. An upcoming series on recycling programs, waste minimization and household hazardous waste is being planned for production in early spring along with a belated program on home composting, and a feature on "High Tech – Low Tech – No Tech Lawn Care".

HAZARDOUS WASTE PROGRAMS

<u>Household Hazardous Waste Collection</u> – There were no HHW events in January.

<u>Mercury (Hg) Free Campaign</u> – The program for collecting thermometers containing Hg and passing out digital thermometers continues to receive active participation via walk-ins at the Transfer Station.

<u>Small Quantity Generator/Ecowise Program</u> – One Small Quantity Generator (SQG)/Ecowise event was held on January 14, 2004, with 5 companies participating.

<u>Waste Reduction</u> – Paint stirring sticks are now available with printed Home Management of Latex Paint information.

The Reuse-It-Again Guide is currently being edited to run for a fourth edition.

AIR PERMITS AND ENVIRONMENTAL PROGRAMS

Resource Recovery Facility (RRF): CEMS Tracking of RRF Operations – In January, the Continuous Emissions Monitoring System (CEMS) continued to track the percent load, certain engineering parameters and emissions of all 3 units. The CEMS indicated that units 1 and 3 operated until approximately 11 p.m. on January 4th when the CEMS showed emissions coming from unit 2 indicating that this unit was brought back online. Inquiries with Covanta indicated that the unit was brought online to handle accumulated waste. Thereafter, all 3 units operated until approximately 11 p.m. on January 16th when the CEMS showed a spike in CO emissions for unit 1 and no further emissions, indicating that the unit was brought offline. Inquiries with Covanta indicated that the unit was brought offline because of some broken grates. The broken grates were replaced and unit 1 was brought back online at approximately 6 p.m. on January 17th. Thereafter, all 3 units operated until the end of the month. There were no equipment malfunctions that affected stack emissions in January.

DSWS completed review of the draft report submitted by TESTAR on the annual stack testing conducted in October 2003. The results showed that the facility is in full compliance with the RRF Title V Air Permit requirements.

On January 4th, Covanta performed the monthly "Opacity Test" for January. The opacity test is a requirement under Title V of the RRF Air Permit. As in past tests, the opacity readings were 0% compared to the Title V Permit limit of 10%.

In the first week of January, the set of three CEMS CD-ROM's were updated to include CEMS data up to December 31, 2003. Copies of the CDs' were placed in the Rockville and Poolesville libraries.

FIG-SWAC Air Quality Subcommittee – DSWS completed review of the Ambient Air Monitoring Report submitted by ENSR in January 2004. Copies of the report will be mailed to the FIG-SWAC Air Quality Subcommittee for its review and a meeting will be scheduled to discuss the results.

Efforts are still ongoing to obtain data from MDE pertaining to Neutron Products for conducting the Cumulative Health Risk Assessment. The schedule calls for completion of data analysis and Air Quality Modeling work in FY04 and Toxicological Health Risk Assessment in FY05.

<u>Oaks Landfill Energy Recovery</u> – MDE transmitted a letter and appropriate forms to DSWS for submitting the annual emissions certification for the Oaks Landfill. The deadline for submittal is April 1, 2004. This certification is a requirement under Code of Maryland Regulations (COMAR) that are applicable to the Oaks Landfill. COMAR 26.11.01.05-1 and COMAR 26.11.02.19D require the County to certify air emissions from the Oaks Landfill for the past calendar year (2003). Authorization needs to be given to SCS Engineers in February to commence work on this task to ensure that the work is completed by the third week of March.

<u>Contracts and RFP's</u> - ENSR's contract expires in May 2004. The contract allows two additional one-year contract extensions. A contract amendment will be prepared in March to extend the contract for one more year to allow ENSR to conduct the Cumulative Health Risk Assessment and Non-Air Media Monitoring Program in FY05.

In the first half of FY05, ENSR will conduct the Ambient Non-Air Media Sampling Program and the Toxicological Evaluation of the Cumulative Health Risk Assessment for the Dickerson Facilities. In the second half of FY05, ENSR will prepare reports on the Cumulative Health Risk Assessment for the Dickerson Facilities and the Non-Air Media Ambient Monitoring Program.

TES of Gaithersburg submitted the December 2003 monthly maintenance report for the Meteorological Tower; no problems were found.

In February/March 2004, SCS Engineers will prepare the Annual Emissions Certification Report" of the Oaks Landfill for submission to MDE by March 31, 2004.

RECYCLING

<u>Public Outreach</u> – A presentation on the County's recycling programs was made to the KMCB Task Force at their monthly meeting on January 7th. Work continues on all FY04 budgeted activities. A recycling mascot is under concept and development. A pre-bid conference was held for the engineering contractors on January 5th for the <u>Feasibility Study on Franchised Recycling Collection to Promote Recycling in the Non-Residential and Multi-Family Sectors</u>. Proposals were received on January 29th, and the QSC is reviewing and evaluating.

Commercial Recycling and Waste Reduction – Staff continued to perform on-site visits of businesses in January and resolved several complaints. Staff received and began reviewing annual reports from large businesses. Reminder postcards were sent to large businesses and forms and information were mailed to all medium and selected small businesses that are required to file recycling reports by March 1st. The multimedia regulatory notification campaign began airing on local TV and radio stations and print notifications were placed in several publications. Work continued on translating the SORRT Business Recycling Regulation Handbook into Chinese and Spanish and translating the sector-specific recycling informational packets into Spanish. Task orders for researching undocumented business recycling activities and conducting business waste audits were issued via the new engineering contract with work expected to begin sometime late February or early March. NOV's were issued by Code Enforcement to a property management company for not providing recycling services for their tenants and to a business for not recycling required materials.

<u>Multi-Family Recycling</u> — Staff continued to perform site visits of apartments and condominiums throughout the County in January. Staff began receiving annual reports and conducting verification visits. Work continued on the winter edition of the TRRAC newsletter. Work continued on the revisions to the Property Manager's Guidebook. Enforcement personnel were asked to investigate a property for not properly maintaining a recycling program. Management responded by cleaning up the property and providing recycling services without the issuance of an NOV. The multi-media regulatory notification campaign began airing on local TV and radio stations and print notifications were placed in several publications. Work was initiated on re-printing and updating the 123 brochures in English, Chinese, Spanish and Russian.

<u>Mixed Paper Recycling</u> – Existing educational materials are being distributed to residents at events. In a brochure, mixed paper is the commodity that is used to illustrate what happens to recyclable materials once a person puts them into their recycling bin.

<u>Volunteer Activities</u> – The surveys at the Satellite Drop-Off Sites are being conducted. Block Captains are working in neighborhoods in Germantown. Our event calendar is quickly filling up. The winter newsletter will be out shortly. Staff is organizing volunteer events for students scheduled for Election Day, March 2nd, and when public schools are closed. We continue to look for new volunteers that can help us with ongoing tasks.

PILOT PROGRAMS

<u>Cooperative Collection Pilot</u> - Staff will be selecting a meeting location and will contact the participants in the cooperative collection program to schedule a meeting to review results of the study.

<u>ComPRO Pilot</u> – The County has developed a pilot bagged ComPRO production at an MES facility in Baltimore, MD. Production of ComPRO began in October 2003.

<u>Tubgrinding Pilot</u> – From August 4-20, 2003, the County processed 5,481 yards of screened reject material at the Compost Facility. The processed material is now being sold at \$4/yd. In January 2004, 107 yards were sold.

FACILITY ACTIVITIES

Resource Recovery Facility – The RRF processed 50,995 tons, or 1,695 tons per day. Trash deliveries averaged 10,636 tons/week. Unit 1 was down on January 16th for grate bar repairs. The bars were replaced and the unit was returned to service 20 hours later on January 17th.

There were no OSHA recordable incidents during the month.

There were no generation emergencies issued by Mirant during the month of January. There was no need to purchase power during the month. On January 3rd, the facility was disconnected from the power grid for PEPCO's planned 69kV line outage. On January 5th, the facility was again disconnected from the power grid to repair a failed disconnect switch. Normal operation resumed approximately 12.5 hours later.

There were no reportable air or water quality environmental excursions during the month.

The following environmental activities occurred:

- Submitted the December 2003 Potable Water Monthly Operating Report to MDE;
- Performed the monthly visible emission (Method 9) observation required by the RRF's Title V permit;
- Submitted the 4th quarter 2003 Operations and Emissions (CEMS) report to MDE;
- Submitted July-December 2003 semi-annual 40 CFR 60 Subpart Cb report to EPA/MDE;
- Submitted 2003 Annual Sewage Sludge Generator Report to MDE;
- Submitted 4th quarter NPDES report to MDE; and
- Mitchell Welsh, regional inspector for MDE, performed a routine solid waste inspection of the facility on January 12th. No significant issues of concern were noted.

<u>Materials Recovery Facility</u> – Approximately 1,959 tons of commingled material were shipped out, and approximately 5,215 tons of mixed paper were loaded out and

transferred to OPS' processing facility during January 2004. The shaker table was relined with urethane to minimize glass breakage, as were chutes leading to the glass container conveyors. A new storage trailer was added next to the east side of the facility. The two companies whose trucks caused damage to the facility and its appurtenances in December 2003 provided for repair payments in January 2004.

<u>Oaks Landfill</u> – There was very little construction activity on the lagoon project due to cold weather. The new landfill gas flare and control system is complete and operating. However, the County still needs to provide a new telephone line to enable connection of the auto-dialer to alert personnel of problems with the system. Telephone cabling into the site is no longer reliable due to the effects of age and moisture. Currently, there is still a security guard at the site who alerts DSWS staff if the flare system goes down.

<u>Gude Landfill</u> – DSWS solicited proposals from its three engineering support contractors for the design of an enclosed gas flare system to replace the power plant as a landfill gas control system. The power plant has been operating at a loss, and the agreement for operation of the power plant allows the contractor to shut the facility down if it is no longer economically viable.

<u>Transfer Station</u> – During January, Covanta shipped via rail 47,312 tons of processible waste from the Transfer Station to the RRF; 195 more tons than shipped in January 2003.

Manufacturing of the fourth compactor continued. Delivery is now expected in late April.

The design for the installation of the 4^{th} compactor was finalized. Covanta will prepare documents for a Request for Qualifications to be issued next month.

At the end of the month, one tubgrinder was sent to the Dickerson Compost Facility to grind oversized material ("overs") and the other tubgrinder was sent to the manufacturer for repairs.

Litter was collected by MES along Shady Grove Road from Route 355 to the intersection with Muncaster Mill Road.

The inbound radiation detectors had 10 alarms in January 2004. There were no false alarms (alarms that could not be re-verified) - all but one of the valid alarms were identified as low levels of medical isotopes with short half-lives, including three cases where the driver had undergone recent medical tests or treatment, and were accepted. One alarm was for I-131 at levels above the acceptance limit (Iodine-131 is an acceptable isotope at low levels but this load exceeded the 50 millirem/hr acceptance level at the truck surface). The source was a collection of diapers. The generator could not be determined because the material was dropped off via the public drop-off entrance. The diapers were removed from the site by RSO for proper disposal. Sunday drop-off operations have been modified so most of the residents with trash will pass through the radiation detectors on the tipping floor of the main building.

A brief summary of the types of isotopes involved in radiation incidents in 2002 and 2003 is provided below.

| Isotope | 2002 (May – December)* | 2003 (January – December) |
|-----------------------|------------------------|---------------------------|
| | | |
| Iodine (I) - 123 | 3 | 3 |
| | | |
| Iodine (I) - 131 | 57 | 56 |
| | | |
| Indium (In) - 111 | 9 | 2 |
| · | | |
| Gallium (Ga) – 67 | 1 | 0 |
| | | |
| Palladium (Pd) - 103 | 1 | 0 |
| | | |
| Technetium (TC) – 99M | 22 | 20 |
| | | |
| False Alarms | 38 | 14 |
| | | |
| Unacceptable Loads | 2 | 3 |
| | | |
| | Cobalt (Co) – 60 | Thorium (Th) – 232 |
| | Sodium (Na) – 22 | Radium (Ra) - 226 (2) |

^{*}System activated May 2002.

<u>Site 2 Landfill Properties</u> – Comments on the draft Site 2 Landfill Refuse Disposal Permit are being reviewed by MDE. Construction of a mound septic system for the Draper property is awaiting appropriate weather and site conditions. The County is preparing to rent the Dunn property.

<u>Yard Trim Compost Facility</u> – In January, the Yard Trim Facility received 1,593 tons of material for composting. The year to date figure of material received is 57,196 tons.

No debris was sent to the RRF.

Three thousand and sixty-nine (3,069) cubic yards of Leafgro were shipped to distributors.

<u>Bagging Operation</u> – In January, 4,800 bags of Leafgro were shipped to distributors. (Each bag is 1.5 cubic ft. weighing 45 lbs.).

<u>Linden Farm Renovations</u> – All work is complete.

Out-of-County Haul

<u>Brunswick County, Virginia</u> – During the month of January, approximately 14,883 tons of ash residue and 6,436 tons of nonprocessible waste were transported to the County's dedicated disposal cell at BWMF in Brunswick County, Virginia. No rubble was recycled this month at Clean Earth in Hagerstown, MD. The freezing weather caused some delays in rail service, but BMWF and Covanta were able to make up the lost rail time by loading and unloading rail cars on some Saturdays.

GENERAL INFORMATION

Important Telephone Numbers

General information on solid waste 240-777-6400

Customer Service 240-777-6410

Transfer Station 301-840-2370 (County Office)

301-590-1032 (Covanta) 301-330-2840 (MES)

Materials Recovery Facility 301-840-2701 (County Office)

301-417-1447 (MES)

Resource Recovery Facility 240-777-6494 (County Office)

301-916-3031 (Covanta)

Yard Trim Compost Facility 301-428-8185 (MES)

Internet for DSWS www.montgomerycountymd.gov/solidwaste

www.montgomerycountymd.gov/recycling

Note: All comments, questions, and suggestions on the contents of this report should be addressed to:

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E-mail: theresa.souders@montgomerycountymd.gov

SOLID WASTE FACTS IN A NUTSHELL

| TOPIC OR FACILITY | |
|---|--|
| Latest Recycling Rate Reported in | 37.4% (FY02) |
| Montgomery County | |
| Recycling Goal | 50% by December 2004 |
| Resource Recovery Facility (RRF) | Guaranteed Capacity = 85% of 1800 TPD on an annual basis (558,450 tons/yr @ 5,500 BTU/lb waste). |
| Yard Trim Composting Facility (DCF) | Operations limited to receipt of 77,000 tons/year under Sugarloaf Settlement Agreement. FY03 tons received- 80,138 |
| # Residences receiving trash collection by County contractors | 85,034 |
| # Residences receiving collection of recyclables in blue bins and yard waste collection | 203,673 |
| Term of out-of-county waste transportation and disposal contract with Brunswick Waste Management Facility, Inc. | June 19, 1997 through June 30, 2012 with an option for a five-year renewal. (Service started on October 20, 1997.) |

GLOSSARY OF ACRONYMS

AAR American Ash Recycling, Inc.

APC Air Pollution Control

ASME American Society of Mechanical Engineers
BWMF Brunswick Waste Management Facility, Inc.

CDL Commercial Driver's License

CEMS Continuous Emissions Monitoring System

CFR Code of Federal Regulation
CIP Capital Improvements Program

COD Cash on Delivery

COG Metropolitan Washington Council of Governments

CSX Chesapeake Transportation Systems

CY Calendar Year

DEP Department of Environmental Protection
DFS Division of Facilities and Services

DNR Maryland Department of Natural Resources

DSWS Division of Solid Waste Services
EPA Environmental Protection Agency
FIG Facilities Implementation Group

FY Fiscal Year GFA Gross Floor Area

HHW Household Hazardous Waste

IFB Invitation For Bid

IPM Integrated Pest Management
KMCB Keep Montgomery County Beautiful

LFG Landfill Gas

LTTS Leachate Thermal Treatment System MCPS Montgomery County Public Schools MCR Maximum Continuous Rating

MDE Maryland Department of Environment MES Maryland Environmental Service

Ma/l Milligrams per liter

M-NCPPC Maryland National Capital Park and Planning Commission

MRF Materials Recovery Facility
MSW Municipal Solid Waste
MWh Mega Watt hours

NIH National Institutes of Health

NMWDA Northeast Maryland Waste Disposal Authority

NOV Notice of Violation

NPDES National Pollution Discharge Elimination System

NTP Notice to Proceed

OLAC Oaks Landfill Advisory Commission
OMB Office of Management and Budget

OPS Office Paper Systems

PEPCO Potomac Electric Power Company PSA Public Service Announcement

RFP Request for Proposal
ROL Reduced Operating Level
RRF Resource Recovery Facility
SCA Sugarloaf Citizens Association
SHA State Highway Administration

SORRT Smart Organizations Reduce and Recycle Tons
SDAT State Department of Assessments and Taxation

SWAC Solid Waste Advisory Committee
TCLP Toxic Characteristic Leaching Procedure
TES Technical Environmental Services

TPD Tons Per Day

TRRAC Think Reduce and Recycle at Apartments and Condominiums
TXA 170 Computer Interface Program (Property Account Database)

UT Ultra-sonic Testing